

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-8 (Canceled)

9. (New) A communication device comprising microphone, speaker, camera, display, input device, and wireless communication system, wherein said communication device includes voice communication mode implementor, email mode implementor, camera mode implementor, communication device remote controlling mode implementor, and shortcut icon displaying mode implementor, wherein 1st voice data input from said microphone is transmitted via said wireless communication system and 2nd voice data received via said wireless communication system is output from said speaker by said voice communication mode implementor, email data is displayed on said display, which is transferred to another device via said wireless communication system by said email mode implementor, photo quality identifying command is input via said input device, when photo taking command is input via said input device, photo data retrieved via said camera is stored in photo data storage area with quality indicated by said photo quality identifying command by said camera mode implementor, said communication device is operable to be remotely controlled by command received from another device by said communication device remote controlling mode implementor, and shortcut icon is displayed on said display, and software program indicated by said shortcut icon is activated when said shortcut icon is selected by said shortcut icon displaying mode implementor.

10. (New) A communication device comprising microphone, speaker, display, input device, and wireless communication system, wherein said communication device includes voice communication mode implementor, email mode implementor, communication device remote controlling mode implementor, and shortcut icon displaying mode implementor, wherein 1st voice data input from said microphone is transmitted via said wireless communication system and 2nd voice data received via said wireless communication system is output from said speaker by said voice communication mode implementor, email data is displayed on said display, which is transferred to another device via said wireless communication system by said email mode implementor, said communication device is operable to be remotely controlled by command received from another device by said communication device remote controlling mode implementor, and shortcut icon is displayed on said display, and software program indicated by said shortcut icon is activated when said shortcut icon is selected by said shortcut icon displaying mode implementor.

11. (New) A communication device comprising microphone, speaker, display, input device, and wireless communication system, wherein said communication device includes voice communication mode implementor, email mode implementor, communication device remote controlling mode implementor, shortcut icon displaying mode implementor, and OS updating mode implementor, wherein 1st voice data input from said microphone is transmitted via said wireless communication system and 2nd voice data received via said wireless communication system is output from said speaker by said voice communication mode implementor, email data is displayed on said display, which is transferred to another device via said wireless communication system by said email mode implementor, said communication device is operable to be remotely controlled by command received from another device by said communication device remote controlling mode implementor, shortcut icon is displayed on said display, and

software program indicated by said shortcut icon is activated when said shortcut icon is selected by said shortcut icon displaying mode implementor, and operating system of said communication device is updated in a wireless fashion via said wireless communication system by said OS updating mode implementor.

12. (New) The communication device of claim 10, wherein said communication device further implements voice recognition system which retrieves text and numeric information from a user's voice input via said microphone, positioning system which identifies the geographic location of said communication device, automatic backup system which transfers a plurality of selected data stored in said communication device periodically to a certain computer and thereby produces a backup copy of said selected data in said certain computer, audio/video data capturing system which retrieves a plurality of audio and video data input via camera installed in said communication device and said microphone and sends said plurality of audio and video data to another device, and digital mirror function which displays inverted visual data of the visual data input via camera of said communication device on said display.

13. (New) The communication device of claim 10, wherein said communication device further implements caller ID function which outputs a predetermined color or sound wherein said predetermined color or sound is specific to the caller of the incoming call received by said communication device, the stock purchase function which outputs notice signal from said communication device when said communication device receives notice data wherein said notice data is produced by computer and sent to said communication device when stock price of a predetermined stock brand meets a predetermined criteria, the timer email function which sends email data to a predetermined email address at a predetermined time, call blocking function which blocks the incoming call if the identification thereof is included in a call blocking list, and online payment function which sends payment data from said communication device to

certain computer and said certain computer deducts the amount of payment included in said payment data from a certain account stored in said certain computer.

14. (New) The communication device of claim 10, wherein said communication device further implements navigation system which indicates shortest route from 1st location to 2nd location on said display, remote controlling system, wherein said communication device is operable to control a plurality of equipments installed in a predetermined building in a wireless fashion, auto emergency calling system, wherein said communication device transfers emergency signal when an impact of a certain level is detected in a predetermined automobile, cellular TV function which outputs TV data from said communication device, and 3D video game function which displays 3D video game object on said display.

15. (New) The communication device of claim 10, wherein said communication device further implements GPS search engine function, wherein specific criteria is selected by said input device and one or more of geographic locations corresponding to said specific criteria are indicated on said display, mobile ignition key function which ignites an engine of an automobile, voice print authentication system which implements authentication process by utilizing voice data of the user of said communication device, fingerprint authentication system which implements authentication process by utilizing fingerprint data of the user of said communication device, and auto time adjust function which automatically adjusts clock of said communication device.

16. (New) The communication device of claim 10, wherein said communication device further implements video/photo function which displays moving image data and still image data on said display, call taxi function which calls a taxi by way of utilizing said communication device, address book updating function which updates the address book stored in said communication device by personal computer via network, batch address book updating function which updates all address books of a plurality of devices including said communication device in one action, and batch scheduler updating

function which updates all schedulers of a plurality of devices including said communication device in one action.

17. (New) The communication device of claim 10, wherein said communication device further implements calculator function which implements mathematical calculation by utilizing digits input via said input device, spreadsheet function which displays spreadsheet on said display, wherein said spreadsheet includes a plurality of cells which are aligned in a matrix fashion, word processing function which implements bold formatting function, italic formatting function, font formatting function, wherein said bold formatting function changes alphanumeric data to bold, said italic formatting function changes alphanumeric data to italic, and said font formatting function changes alphanumeric data to a selected font, TV remote controller function which enables said communication device to remotely control TV tuner, and CD/PC inter-communicating function which directly transfers wireless data to another computer by utilizing infra-red signal.

18. (New) The communication device of claim 10, wherein said communication device further implements pre-dialing/dialing/waiting sound selecting function which enables said communication device to generate pre-dialing sound, dialing sound, and waiting sound selected by the user thereof, start up software function which enables said communication device to automatically activate selected software programs when the power of said communication device is turned on, stereo audio data output function which enables said communication device to output audio data in a stereo fashion, stereo visual data output function which enables said communication device to output visual data in a stereo fashion, and multiple signal processing function which enables said communication to implement wireless communication by utilizing cdma2000 signal and W-CDMA signal.

19. (New) The communication device of claim 10, wherein said communication device further implements pin-pointing function which enables said communication device to

display current location of another device located in an artificial structure, CCD bar code reader function which inputs an image data of a bar code via camera of said communication device and retrieves alphanumeric data therefrom, online renting function which enables the user of communication device to download from another computer and rent digital information for a certain period of time, SOS calling function which notifies police department the current geographic location of said communication device and personal information of the user of said communication device when a specific call is made from said communication device, and PC remote controlling function which enables communication device to remotely control a personal computer, wherein the image displayed on said personal computer is displayed on said display, and the user of said communication device is able to remotely control said personal computer by utilizing said input device.

20. (New) The communication device of claim 10, wherein said communication device further implements PC remote downloading function which enables said communication device to remotely instruct a personal computer to transfer data stored therein to another personal computer, audiovisual playback function which enables said communication device to playback audiovisual data selected by the user of said communication device, audio playback function which enables said communication device to playback audio data selected by the user of said communication device, ticket purchasing function which enables said communication device to purchase tickets in a wireless fashion, and remote data erasing function which erases a portion or all data stored in said communication device upon receiving a specific command from another computer.

21. (New) The communication device of claim 10, wherein said communication device further implements business card function which enables said communication device to send business card data indicating business card of the user of said communication device to another device in a wireless fashion, game vibrating function which vibrates said communication device when a predetermined condition is met while said

communication device is executing a video game software program, the part-timer finding function which enables the user of said communication device to find a part-time job in a specified manner by utilizing said communication device, the parking lot finding function which enables said communication device to display the closest parking lot with vacant spaces on said display with the best route thereto, and on demand TV function which enables said communication device to display TV program on said display in accordance with the user's demand.

22. (New) The communication device of claim 10, wherein said communication device further implements inter-communicating TV function which enables said communication device to send answer data to host computer at which said answer data from a plurality of communication devices including said communication device are counted and the counting data is produced, display controlling function which enables said communication device to control the brightness and/or the contrast of said display per file opened or software program executed, multiple party communicating function which enables the user of said communication device to voice communicate with more than one person via said communication device, display brightness controlling function which controls the brightness of said display in accordance with the brightness detected by photometer of the surrounding area of the user of said communication device, and multiple party pin-pointing function which enables said communication device to display the current locations of a plurality of devices in artificial structure.

23. (New) The communication device of claim 10, wherein said communication device further implements digital camera function, wherein photo quality identifying command is input via said input device, when photo taking command is input via said input device, photo data retrieved via said camera is stored in photo data storage area with quality indicated by said photo quality identifying command, phone number linking function which displays a phone number link and dials a phone number indicated by said phone number link when said phone number link is selected, multiple window displaying

function which displays a plurality of windows simultaneously on said display, mouse pointer displaying function which displays on said display a mouse pointer which is capable to be manipulated by the user of said communication device, and house item pin-pointing function which enables the user of said communication device to find the location of the house items for which the user is looking in a house, wherein the house items are the tangible objects placed in a house which are movable by human being.

24. (New) The communication device of claim 10, wherein said communication device further implements membership administrating function in which host computer allows only the users of said communication device who have paid the monthly fee to access host computer to implement a certain function, keyword search timer recording function which enables to timer record TV programs which meet a certain criteria set by the user of said communication device, weather forecast displaying function which displays on said display the weather forecast of the current location of said communication device, multiple language displaying function, wherein a selected language is selected from a plurality of languages, and said selected language is utilized to operate said communication device, and caller's information displaying function which displays personal information regarding caller on said display when said communication device receives a phone call.

25. (New) The communication device of claim 10, wherein said communication device further implements communication device remote controlling function which enables the user of said communication device to remotely control said communication device via conventional telephone, communication device remote controlling function which enables the user of said communication device to remotely control said communication device by an ordinary personal computer via the Internet, shortcut icon displaying function, wherein a shortcut icon is displayed on said display, and a software program indicated by said shortcut icon is activated when said shortcut icon is selected, task tray icon displaying function, wherein a task tray icon is displayed on said display, and a

software program indicated by said task tray icon is executed in background, and multiple channel processing function which enables said communication device to send and receive a large amount of data in a short period of time by utilizing multiple channels.

26. (New) The communication device of claim 10, wherein said communication device further implements solar battery charging function which enables to charge battery of said communication device by utilizing solar panel, OS updating function which updates operating system of said communication device in a wireless fashion via said wireless communication system, device managing function which adds and deletes device controllers attached to or installed in said communication device, automobile controlling function wherein said communication device remotely controls, in response to an automobile controlling command input via said input device, an automobile, and OCR function wherein an image data is input to a camera of said communication device, alphanumeric data is extracted from said image data.

27. (New) The communication device of claim 10, wherein said communication device further implements voice recognition system which retrieves text and numeric information from a user's voice input via said microphone, positioning system which identifies the geographic location of said communication device, automatic backup system which transfers a plurality of selected data stored in said communication device periodically to a certain computer and thereby produces a backup copy of said selected data in said certain computer, audio/video data capturing system which retrieves a plurality of audio and video data input via camera installed in said communication device and said microphone and sends said plurality of audio and video data to another device, digital mirror function which displays inverted visual data of the visual data input via camera of said communication device on said display, caller ID function which outputs a predetermined color or sound wherein said predetermined color or sound is specific to the caller of the incoming call received by said communication device, the stock

purchase function which outputs notice signal from said communication device when said communication device receives notice data wherein said notice data is produced by computer and sent to said communication device when stock price of a predetermined stock brand meets a predetermined criteria, the timer email function which sends email data to a predetermined email address at a predetermined time, call blocking function which blocks the incoming call if the identification thereof is included in a call blocking list, online payment function which sends payment data from said communication device to certain computer and said certain computer deducts the amount of payment included in said payment data from a certain account stored in said certain computer, navigation system which indicates shortest route from 1st location to 2nd location on said display, remote controlling system, wherein said communication device is operable to control a plurality of equipments installed in a predetermined building in a wireless fashion, auto emergency calling system, wherein said communication device transfers emergency signal when an impact of a certain level is detected in a predetermined automobile, cellular TV function which outputs TV data from said communication device, 3D video game function which displays 3D video game object on said display, GPS search engine function, wherein specific criteria is selected by said input device and one or more of geographic locations corresponding to said specific criteria are indicated on said display, mobile ignition key function which ignites an engine of an automobile, voice print authentication system which implements authentication process by utilizing voice data of the user of said communication device, fingerprint authentication system which implements authentication process by utilizing fingerprint data of the user of said communication device, auto time adjust function which automatically adjusts clock of said communication device, video/photo function which displays moving image data and still image data on said display, call taxi function which calls a taxi by way of utilizing said communication device, address book updating function which updates the address book stored in said communication device by personal computer via network, batch address

book updating function which updates all address books of a plurality of devices including said communication device in one action, batch scheduler updating function which updates all schedulers of a plurality of devices including said communication device in one action, calculator function which implements mathematical calculation by utilizing digits input via said input device, spreadsheet function which displays spreadsheet on said display, wherein said spreadsheet includes a plurality of cells which are aligned in a matrix fashion, word processing function which implements bold formatting function, italic formatting function, font formatting function, wherein said bold formatting function changes alphanumeric data to bold, said italic formatting function changes alphanumeric data to italic, and said font formatting function changes alphanumeric data to a selected font, TV remote controller function which enables said communication device to remotely control TV tuner, CD/PC inter-communicating function which directly transfers wireless data to another computer by utilizing infra-red signal, pre-dialing/dialing/waiting sound selecting function which enables said communication device to generate pre-dialing sound, dialing sound, and waiting sound selected by the user thereof, start up software function which enables said communication device to automatically activate selected software programs when the power of said communication device is turned on, stereo audio data output function which enables said communication device to output audio data in a stereo fashion, stereo visual data output function which enables said communication device to output visual data in a stereo fashion, multiple signal processing function which enables said communication to implement wireless communication by utilizing cdma2000 signal and W-CDMA signal, pin-pointing function which enables said communication device to display current location of another device located in an artificial structure, CCD bar code reader function which inputs an image data of a bar code via camera of said communication device and retrieves alphanumeric data therefrom, online renting function which enables the user of communication device to download from another

computer and rent digital information for a certain period of time, SOS calling function which notifies police department the current geographic location of said communication device and personal information of the user of said communication device when a specific call is made from said communication device, PC remote controlling function which enables communication device to remotely control a personal computer, wherein the image displayed on said personal computer is displayed on said display, and the user of said communication device is able to remotely control said personal computer by utilizing said input device, PC remote downloading function which enables said communication device to remotely instruct a personal computer to transfer data stored therein to another personal computer, audiovisual playback function which enables said communication device to playback audiovisual data selected by the user of said communication device, audio playback function which enables said communication device to playback audio data selected by the user of said communication device, ticket purchasing function which enables said communication device to purchase tickets in a wireless fashion, remote data erasing function which erases a portion or all data stored in said communication device upon receiving a specific command from another computer, business card function which enables said communication device to send business card data indicating business card of the user of said communication device to another device in a wireless fashion, game vibrating function which vibrates said communication device when a predetermined condition is met while said communication device is executing a video game software program, the part-timer finding function which enables the user of said communication device to find a part-time job in a specified manner by utilizing said communication device, the parking lot finding function which enables said communication device to display the closest parking lot with vacant spaces on said display with the best route thereto, on demand TV function which enables said communication device to display TV program on said display in accordance with the user's demand, inter-communicating TV function which enables said communication

device to send answer data to host computer at which said answer data from a plurality of communication devices including said communication device are counted and the counting data is produced, display controlling function which enables said communication device to control the brightness and/or the contrast of said display per file opened or software program executed, multiple party communicating function which enables the user of said communication device to voice communicate with more than one person via said communication device, display brightness controlling function which controls the brightness of said display in accordance with the brightness detected by photometer of the surrounding area of the user of said communication device, multiple party pin-pointing function which enables said communication device to display the current locations of a plurality of devices in artificial structure, digital camera function, wherein photo quality identifying command is input via said input device, when photo taking command is input via said input device, photo data retrieved via said camera is stored in photo data storage area with quality indicated by said photo quality identifying command, phone number linking function which displays a phone number link and dials a phone number indicated by said phone number link when said phone number link is selected, multiple window displaying function which displays a plurality of windows simultaneously on said display, mouse pointer displaying function which displays on said display a mouse pointer which is capable to be manipulated by the user of said communication device, house item pin-pointing function which enables the user of said communication device to find the location of the house items for which the user is looking in a house, wherein the house items are the tangible objects placed in a house which are movable by human being, membership administrating function in which host computer allows only the users of said communication device who have paid the monthly fee to access host computer to implement a certain function, keyword search timer recording function which enables to timer record TV programs which meet a certain criteria set by the user of said communication device, weather forecast displaying function which

displays on said display the weather forecast of the current location of said communication device, multiple language displaying function, wherein a selected language is selected from a plurality of languages, and said selected language is utilized to operate said communication device, caller's information displaying function which displays personal information regarding caller on said display when said communication device receives a phone call, communication device remote controlling function which enables the user of said communication device to remotely control said communication device via conventional telephone, communication device remote controlling function which enables the user of said communication device to remotely control said communication device by an ordinary personal computer via the Internet, shortcut icon displaying function, wherein a shortcut icon is displayed on said display, and a software program indicated by said shortcut icon is activated when said shortcut icon is selected, task tray icon displaying function, wherein a task tray icon is displayed on said display, and a software program indicated by said task tray icon is executed in background, multiple channel processing function which enables said communication device to send and receive a large amount of data in a short period of time by utilizing multiple channels, solar battery charging function which enables to charge battery of said communication device by utilizing solar panel, OS updating function which updates operating system of said communication device in a wireless fashion via said wireless communication system, device managing function which adds and deletes device controllers attached to or installed in said communication device, automobile controlling function wherein said communication device remotely controls, in response to an automobile controlling command input via said input device, an automobile, and OCR function wherein an image data is input to a camera of said communication device, alphanumeric data is extracted from said image data.